Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/24/2018 10:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126084	0	2.19	126177	2.24
Blue	F	SSC	125000	123537	-2	2.29	124233	2.22
Blue	E	FITC	15760	15288	-3	3.13	331	23.24
Blue	D	PE	25880	25199	-3	2.18	548	17.11
Blue	B	PerCP-Cy5-5	34075	34066	-1	4.41	1048	22.86
Blue	A	PE-Cy7	22776	22836	0	7.51	550	46.52
Red	C	APC	42488	41655	-2	2.76	1569	13.43
Red	A	APC-Cy7	24478	23946	-3	2.81	819	13.07
Violet	B	V450	6304	6094	-4	4.31	339	17.25
Violet	A	V500	26005	24770	-5	3.87	579	13.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21006	10.85	613	16	N/A	N/A	Pass
Blue	F	SSC	55894	1.66	582	27	N/A	N/A	Pass
Blue	E	FITC	59	74.13	565	9	0.0142	154	Pass
Blue	D	PE	115	59.67	559	10	0.1294	337	Pass
Blue	B	PerCP-Cy5-5	196	57.19	660	13	0.0073	110	Pass
Blue	A	PE-Cy7	108	115.53	713	16	0.0086	28	Pass
Red	C	APC	368	28.13	602	2	0.0195	108	Pass
Red	A	APC-Cy7	201	28.78	573	2	0.0046	938	Pass
Violet	B	V450	53	85.83	499	10	0.0378	3725	Pass
Violet	A	V500	87	44.64	515	9	0.0128	940	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.40	-31.13	0.94
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	16.69	13.60 - 20.40	N/A	N/A	31.19	31.51	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11728

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments